



1/15

FIG. 1

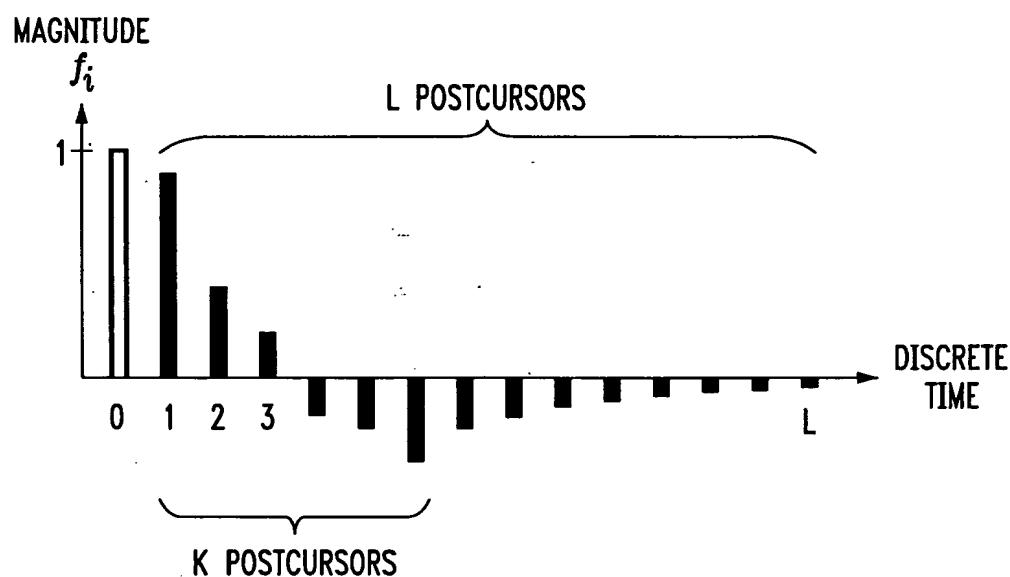
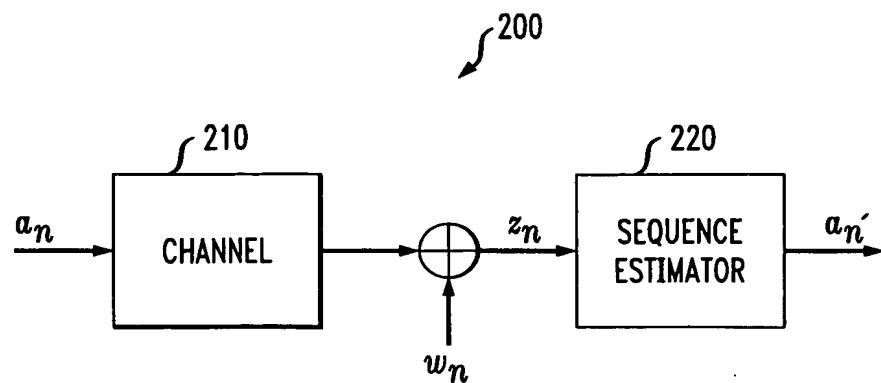


FIG. 2





2/15

FIG. 3

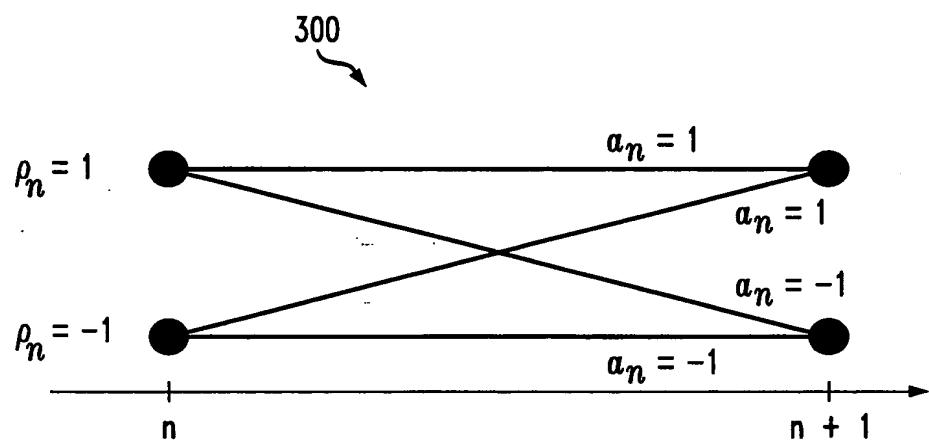
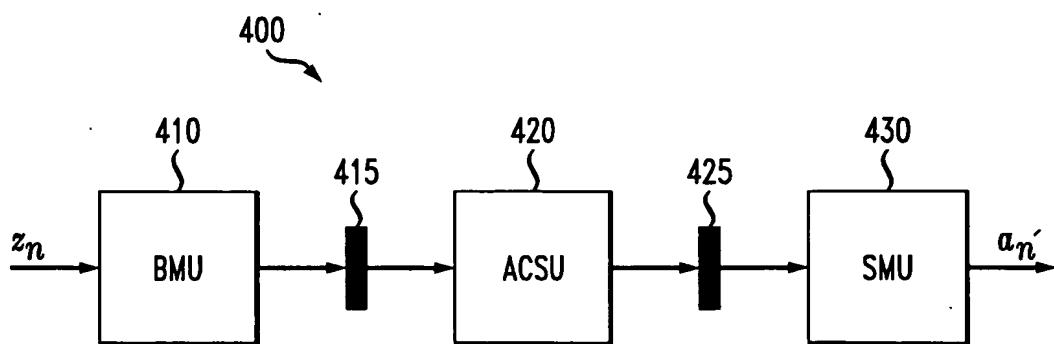


FIG. 4





3/15

FIG. 5

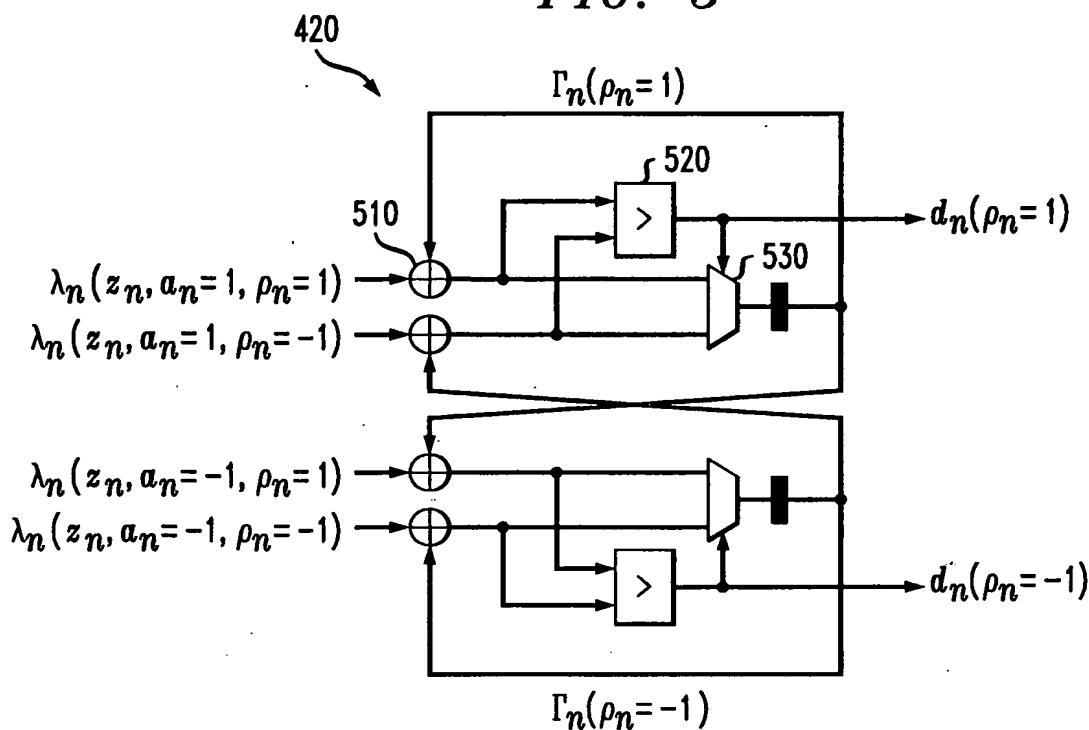


FIG. 6

COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE -- 600

	MLSE	RSSE
COMPLEXITY		
NO. OF STATES:	$2^L$	$2^K$
NO. OF BMs	$2^{L+1}$	$2^{K+1}$
ADDS IN DFU:	—	$S \times L$
CRITICAL PATH	2 ADDs 2-to-1 MUX	$L - K + 3$ ADDs 2-to-1 MUX LUT SHIFT



4/15

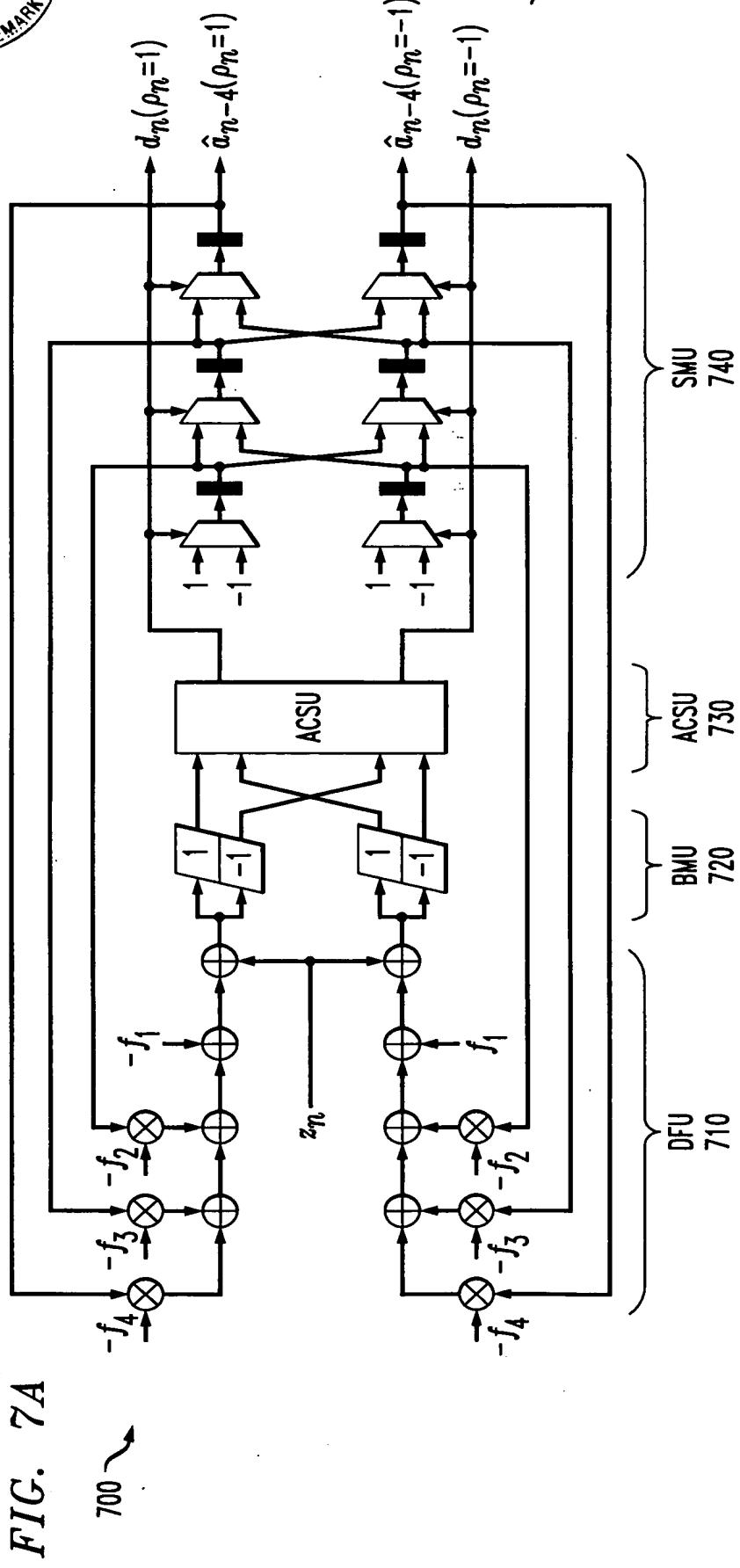
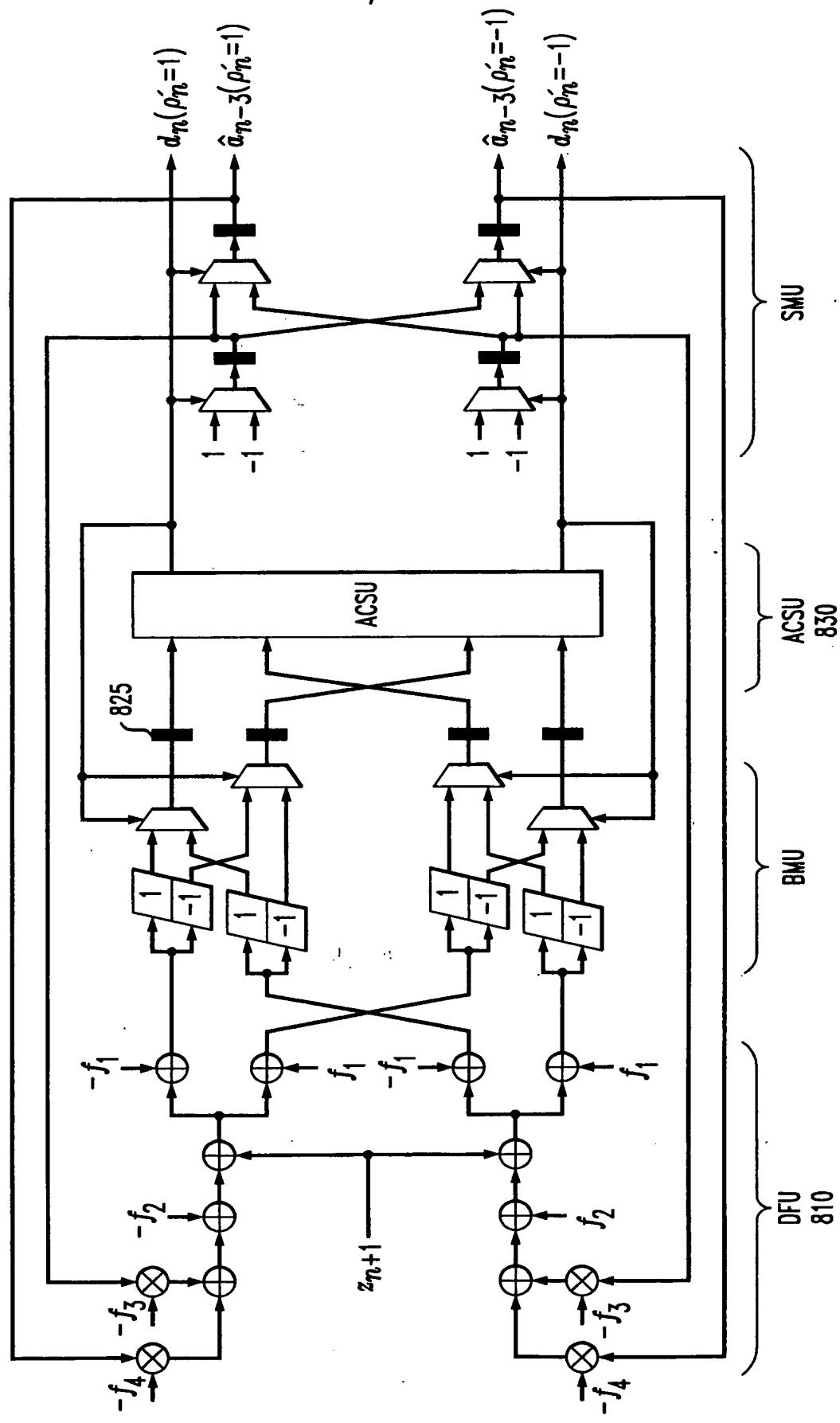


FIG. 7B

$$\begin{array}{ccc} & y & \\ \xrightarrow{c} & & \end{array} \equiv y = (x-c)^2$$

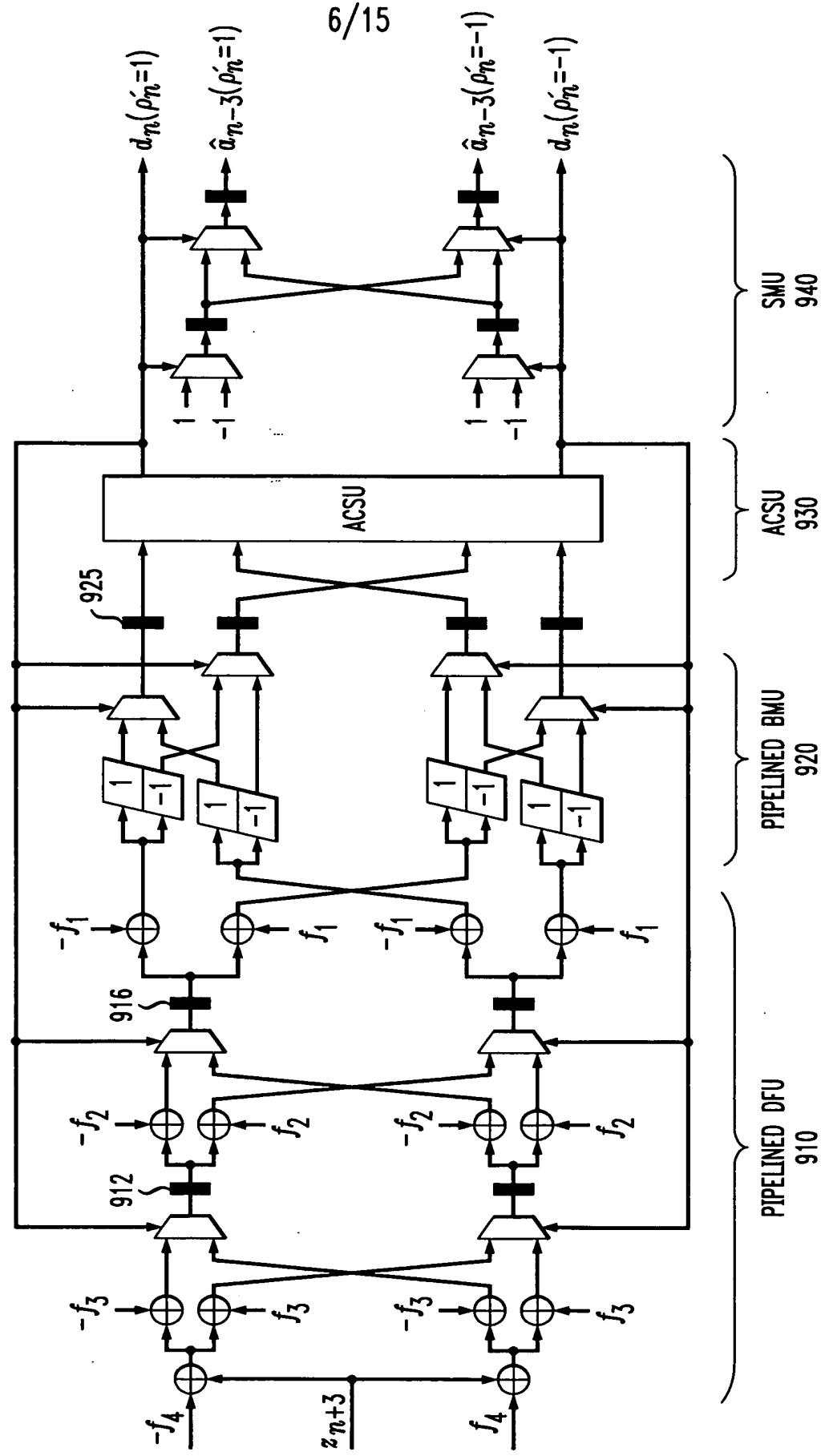
FIG. 8





6/15

FIG. 9





7/15

*FIG. 10*

COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE OF PIPELINED RSSE -- 1000

	PIPELINED RSSE
COMPLEXITY	
NO. OF BMs:	$2^{K+2}$
ADDs IN DFU:	$S \times (L - M + 2M) = S \times (L + M)$
CRITICAL PATH ( $M = L - K$ )	2 ADDs 2-to-1 MUX



FIG. 11

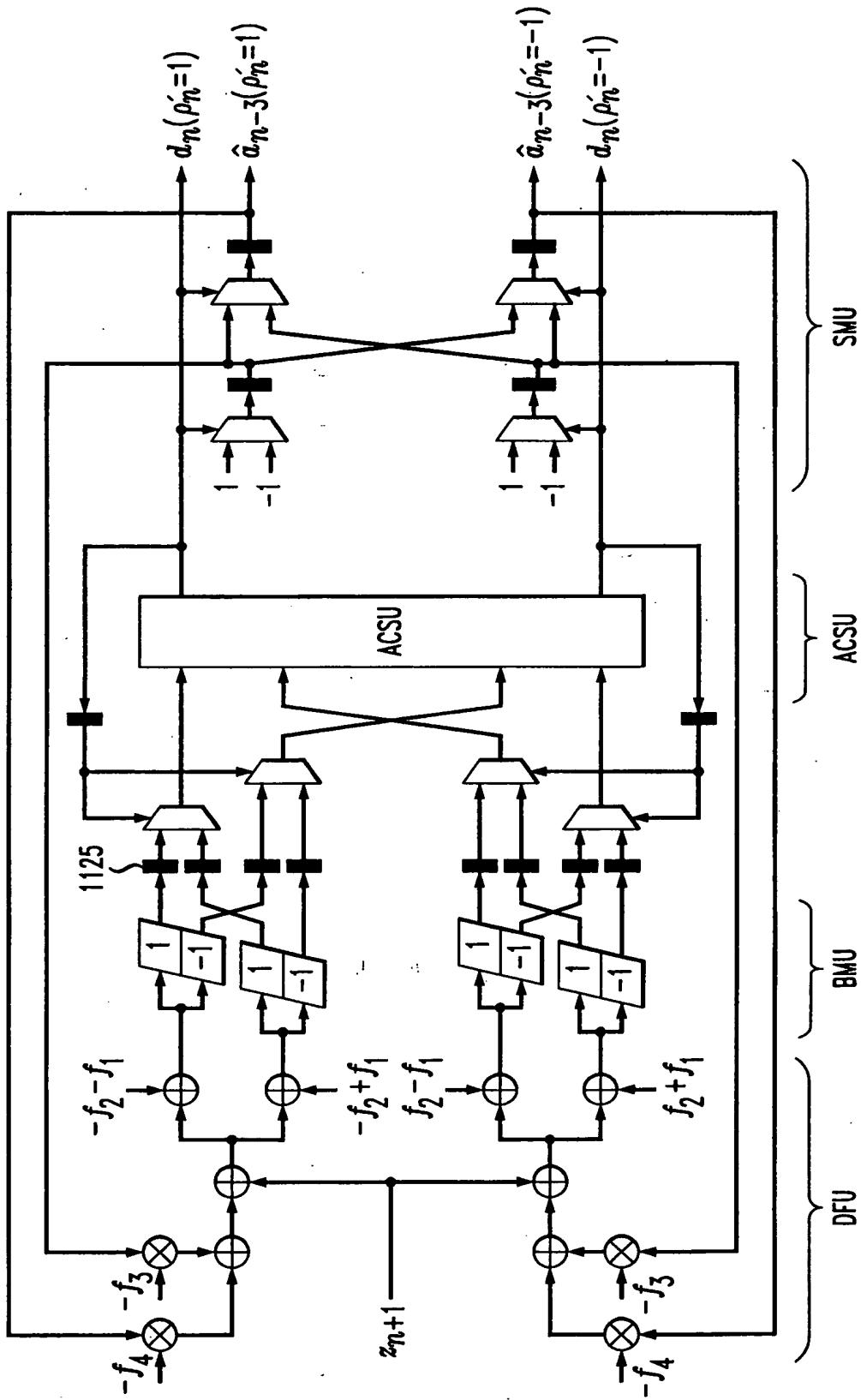
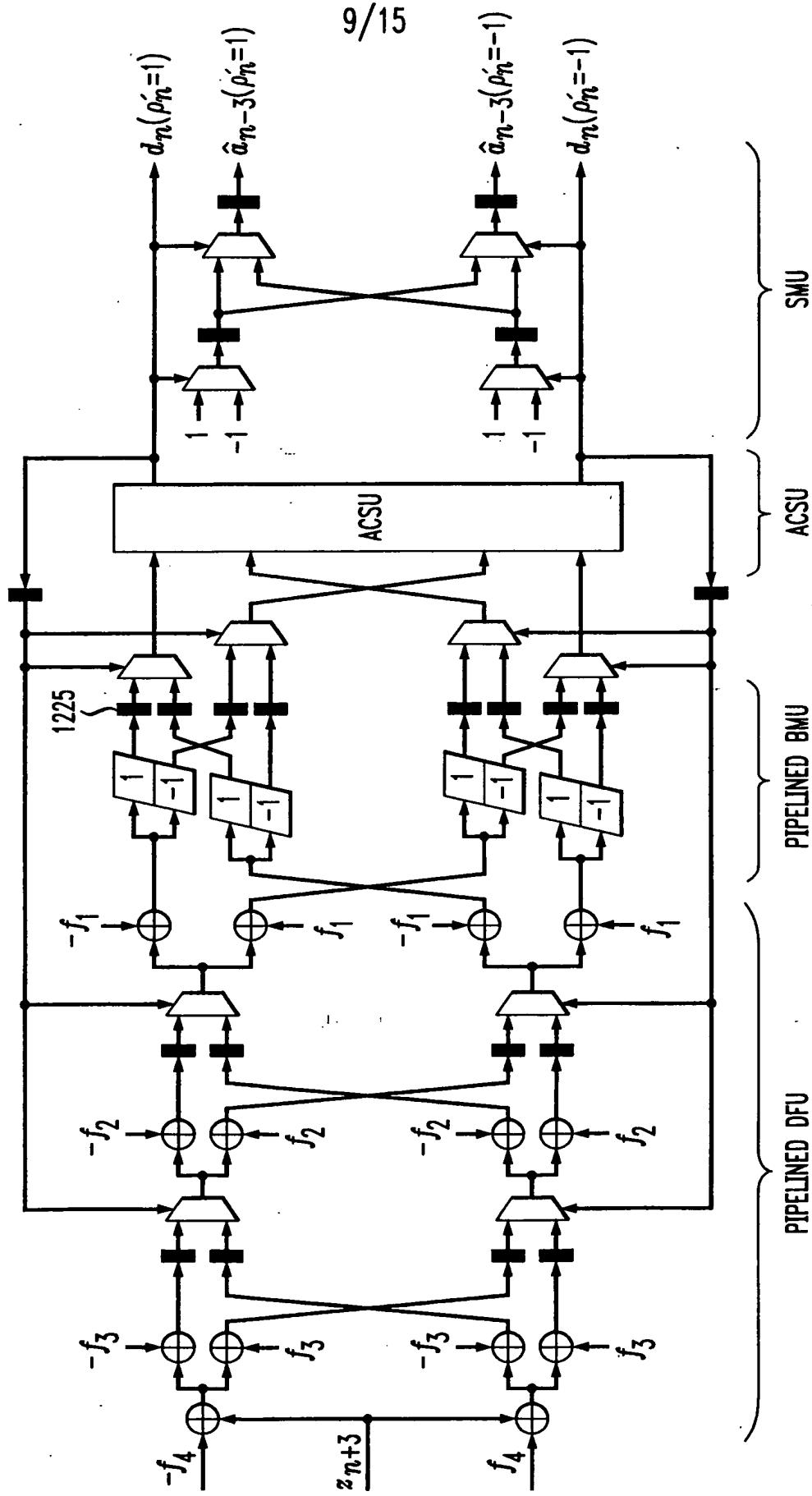




FIG. 12



10/15



FIG. 13

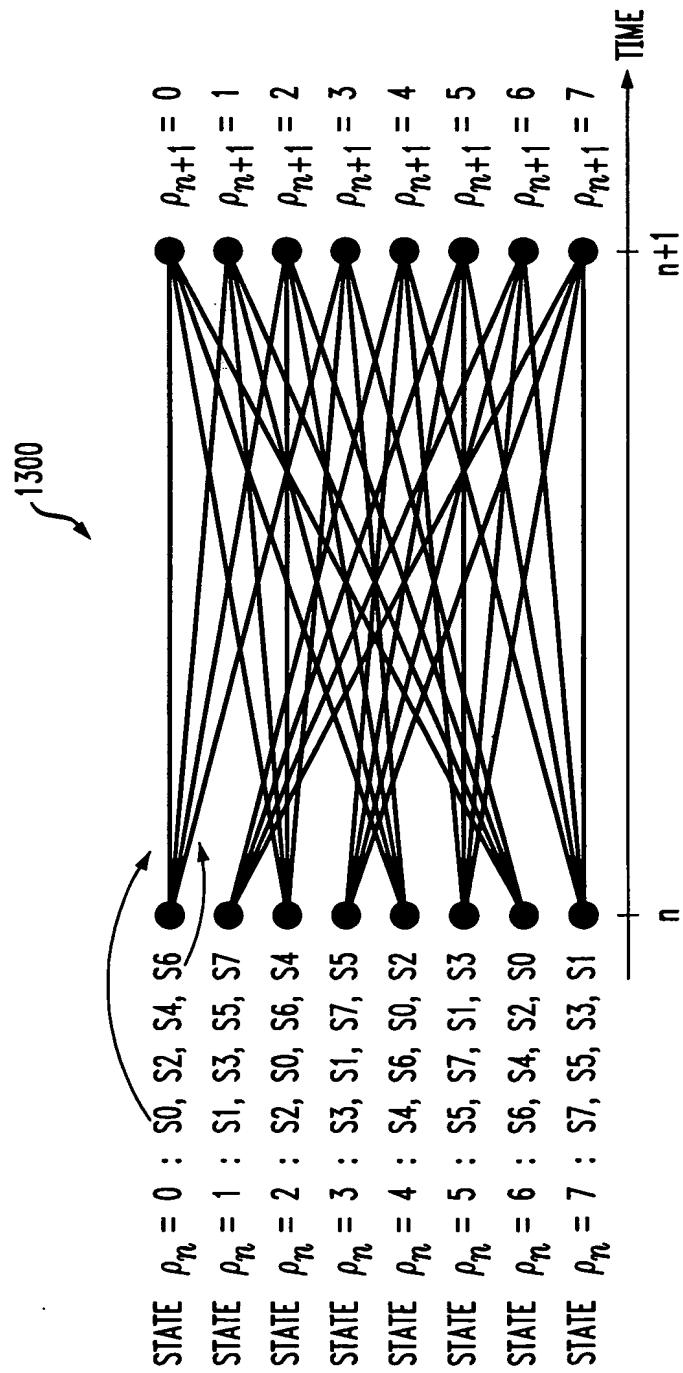


FIG. 14

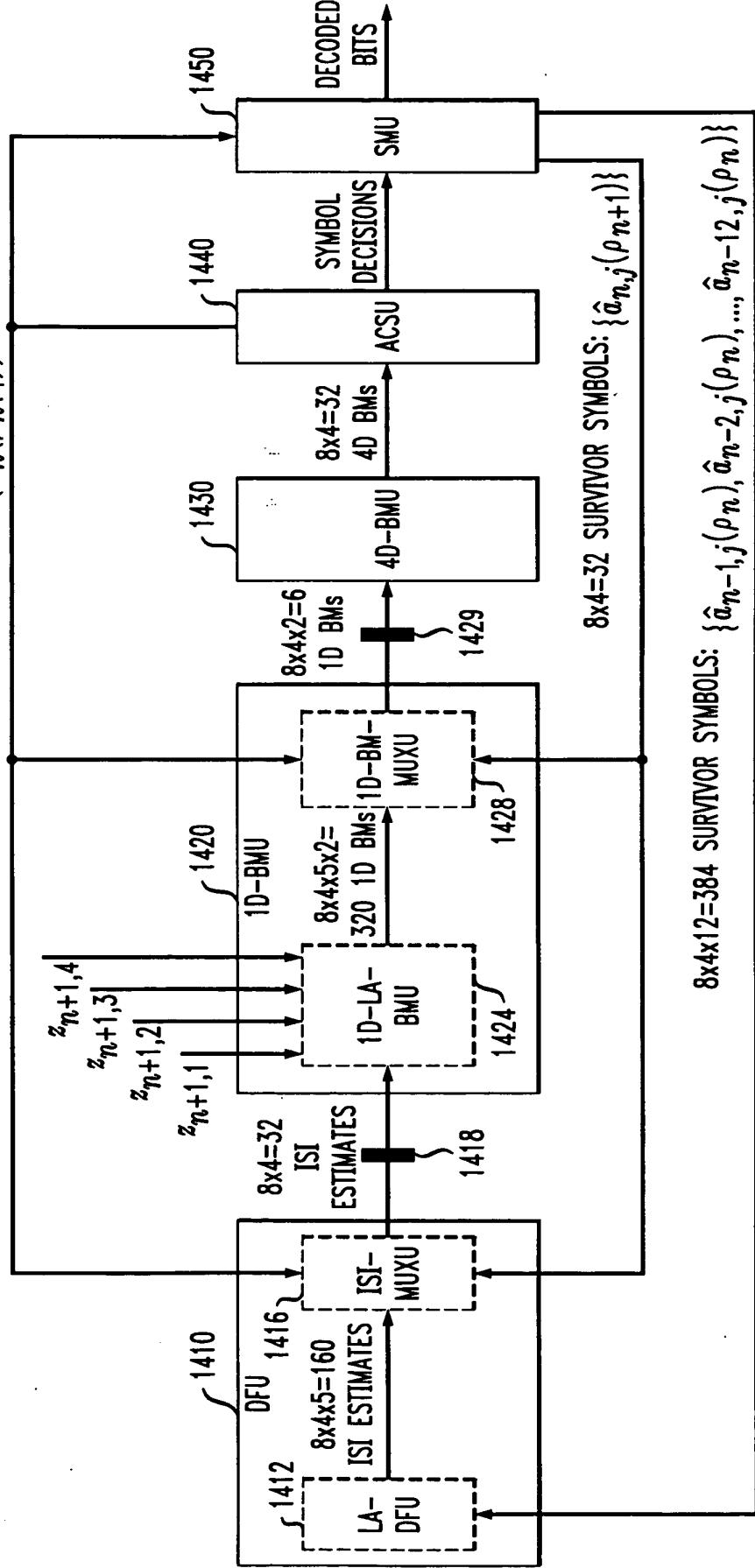
8 ACS DECISIONS:  $\{d_n(\rho_{n+1})\}$ 



FIG. 15

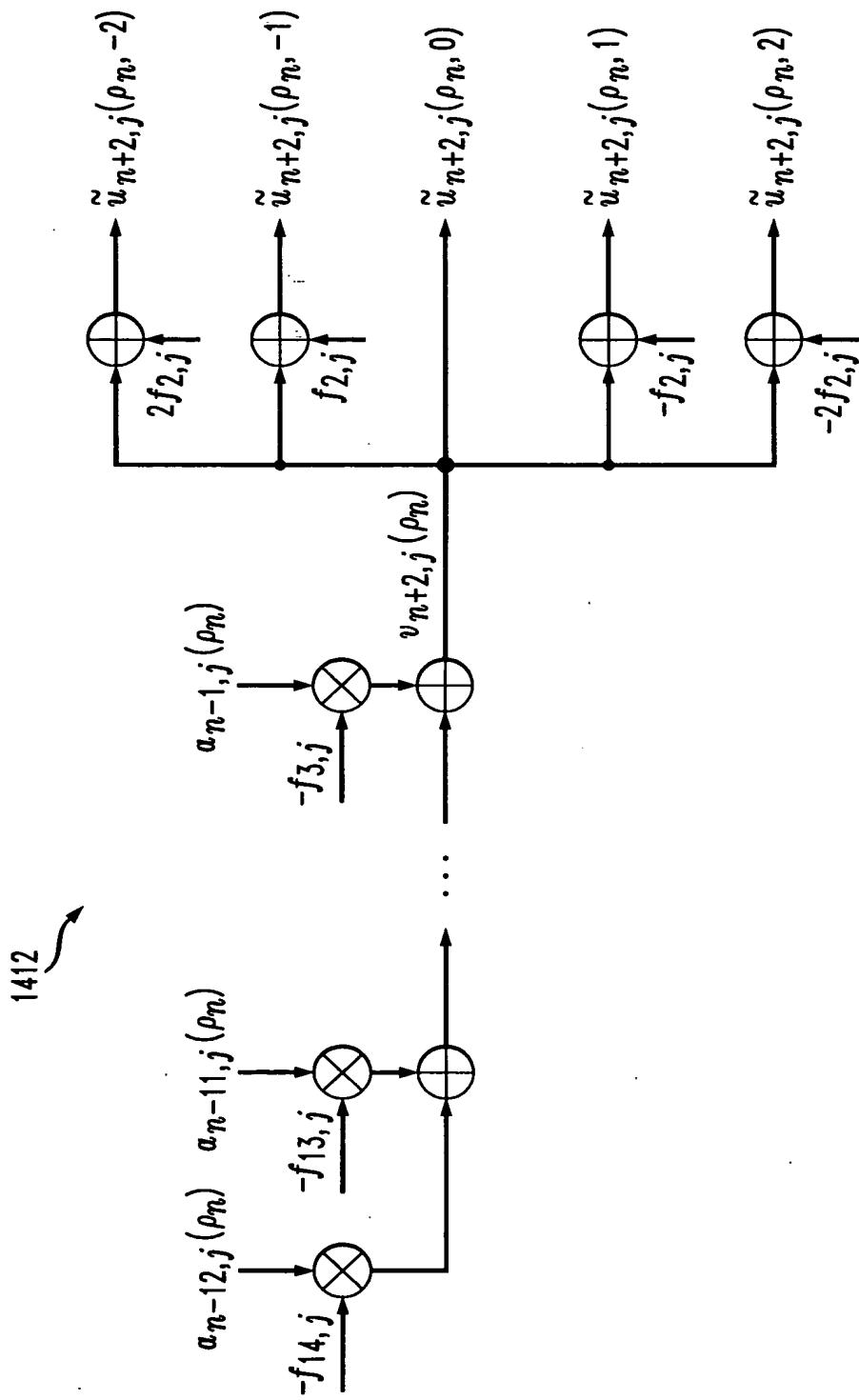




FIG. 16

1416

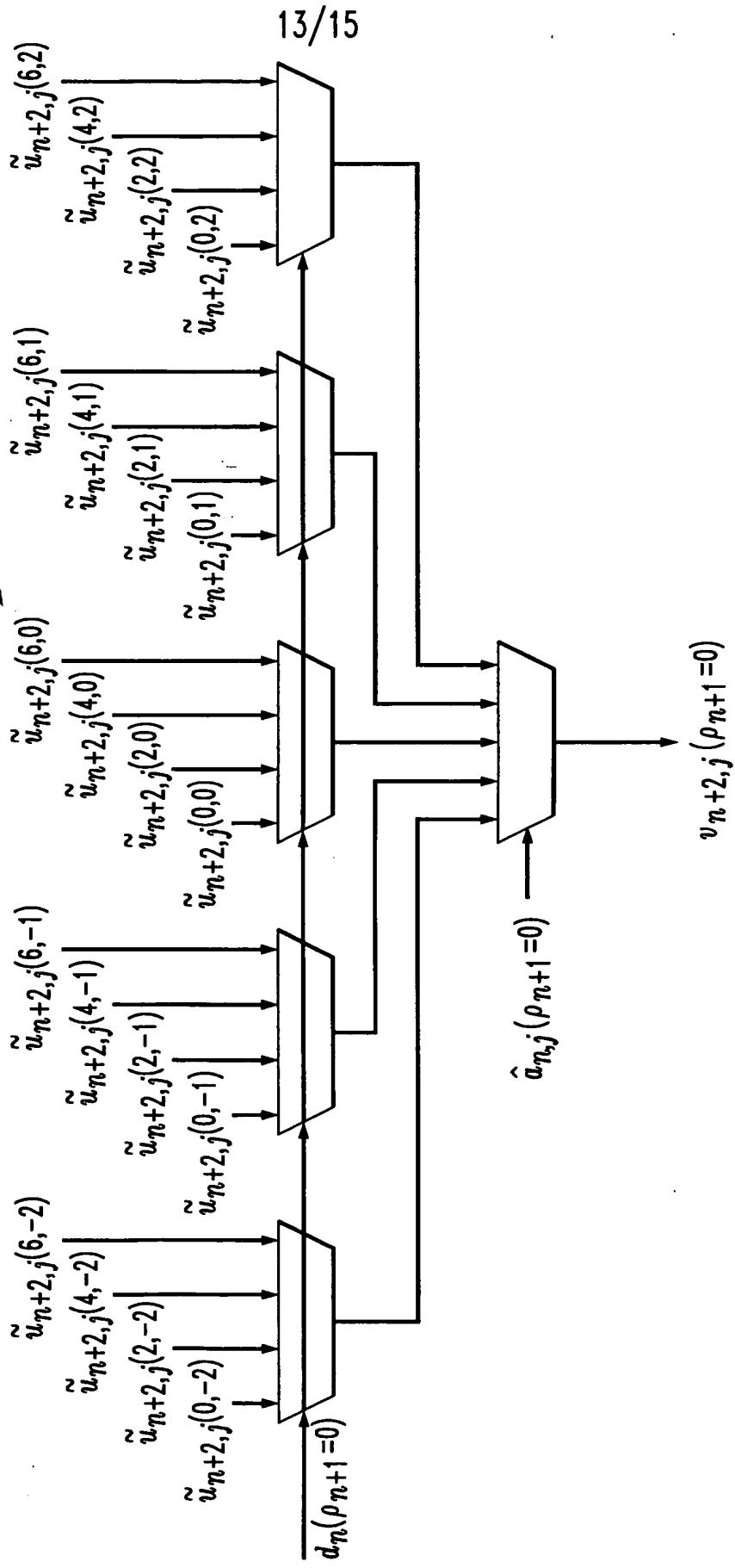
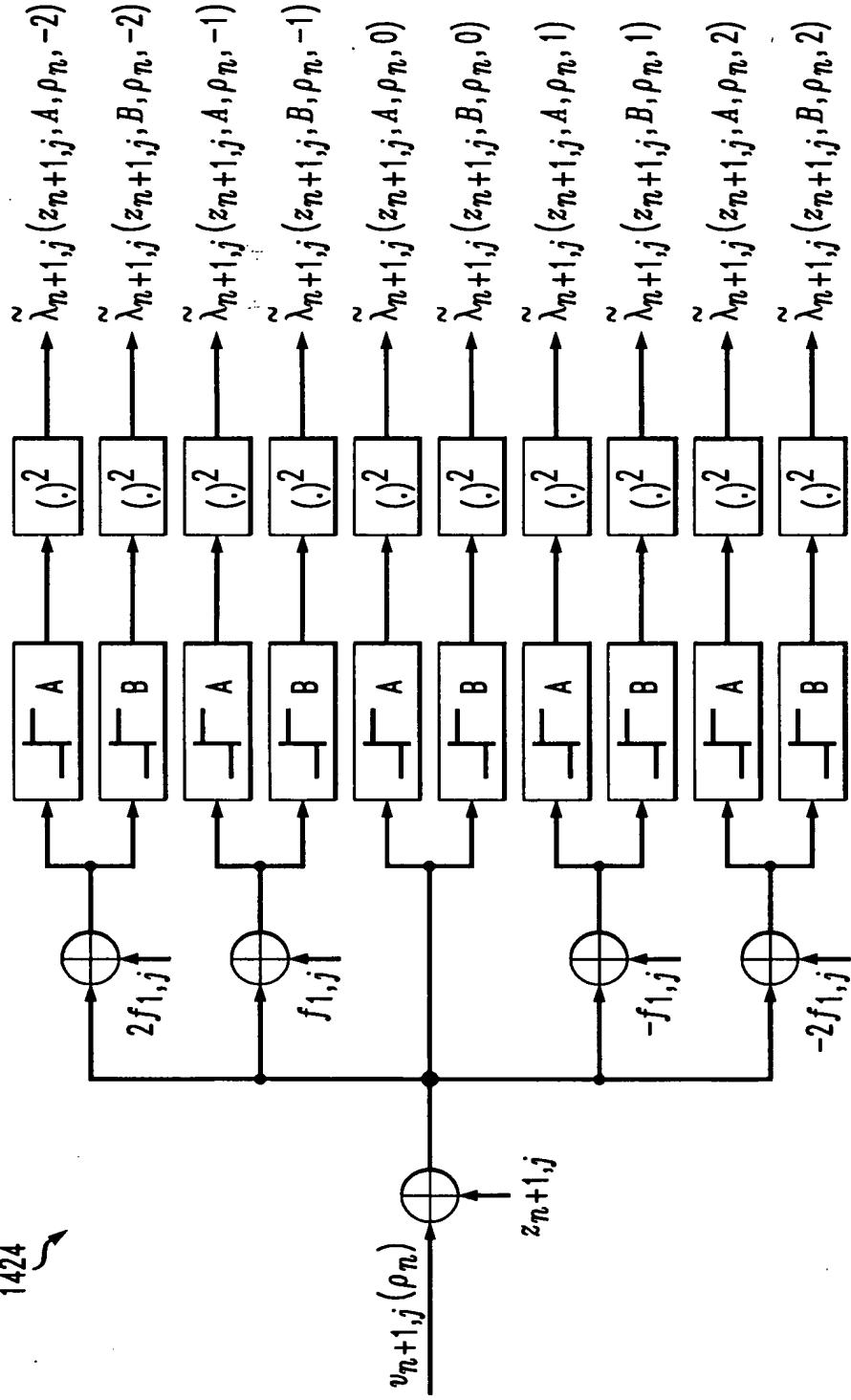




FIG. 17

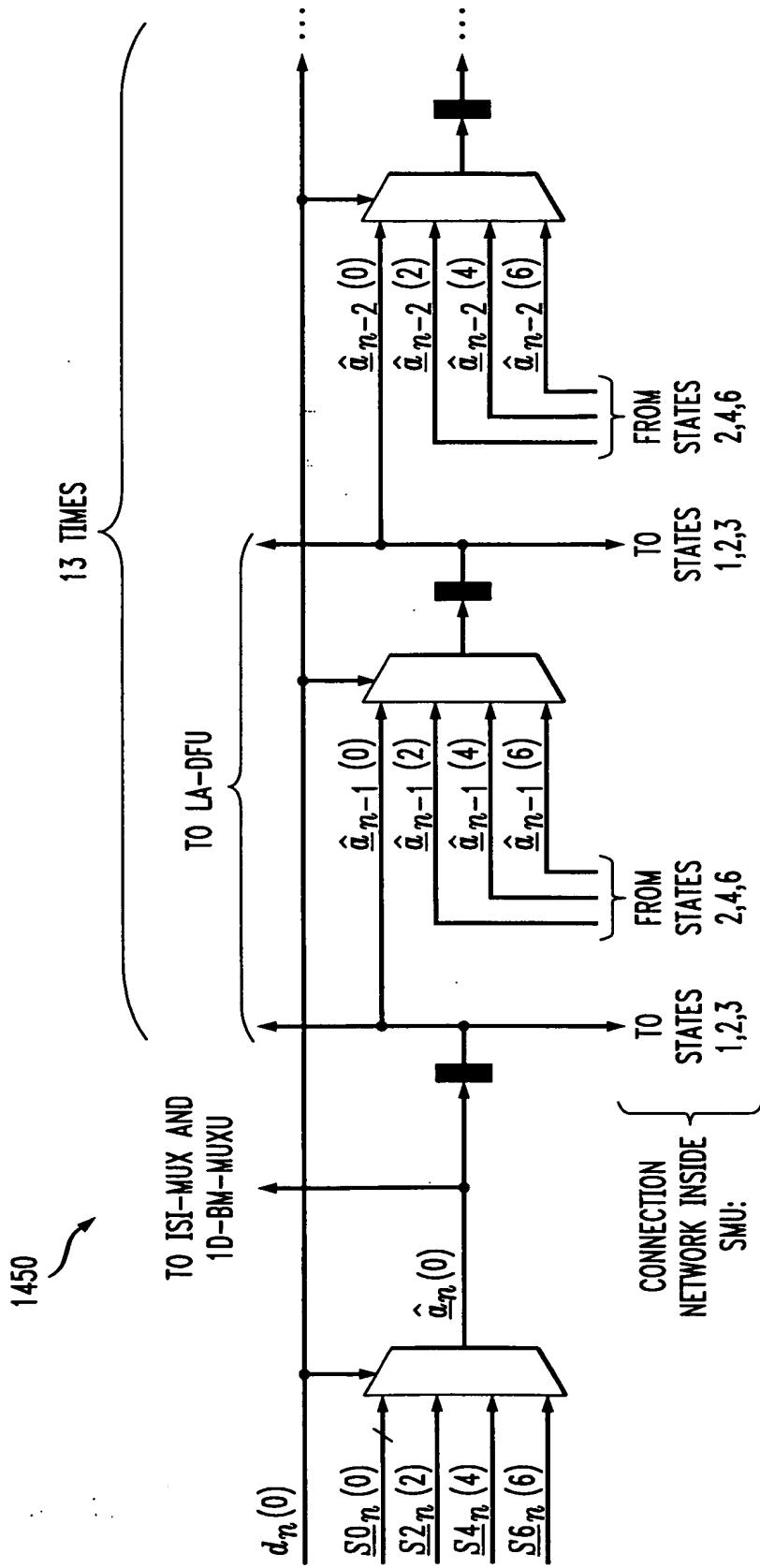
1424



15/15



FIG. 18





## Replacement Sheet

3/15

FIG. 5

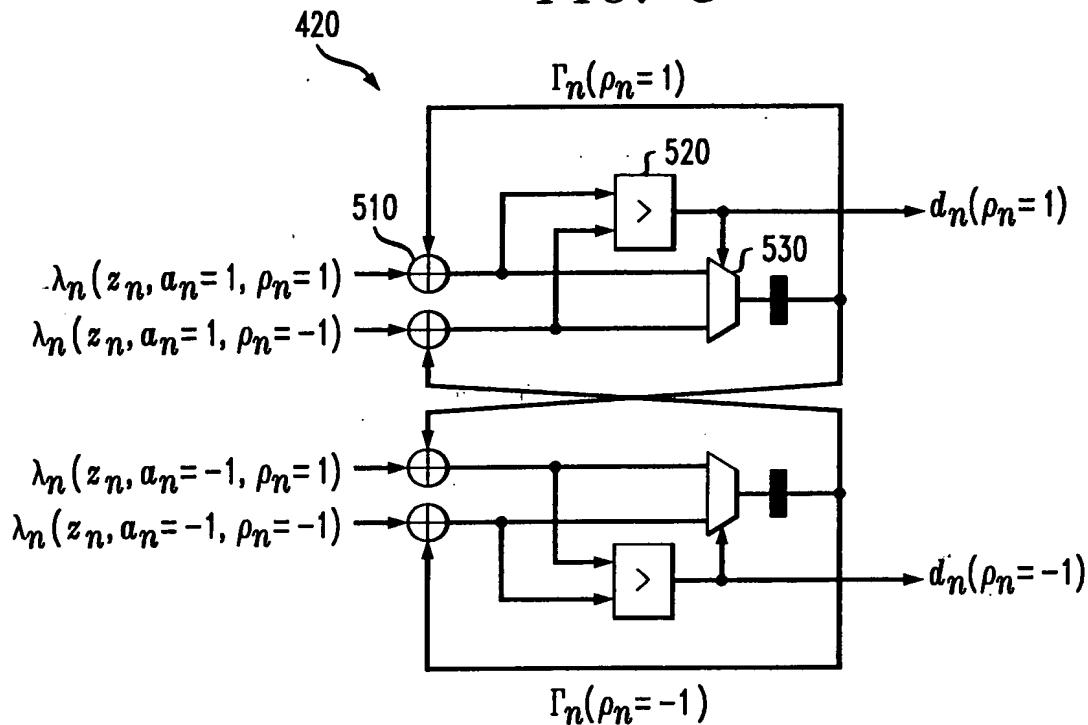


FIG. 6

## COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE -- 600

620

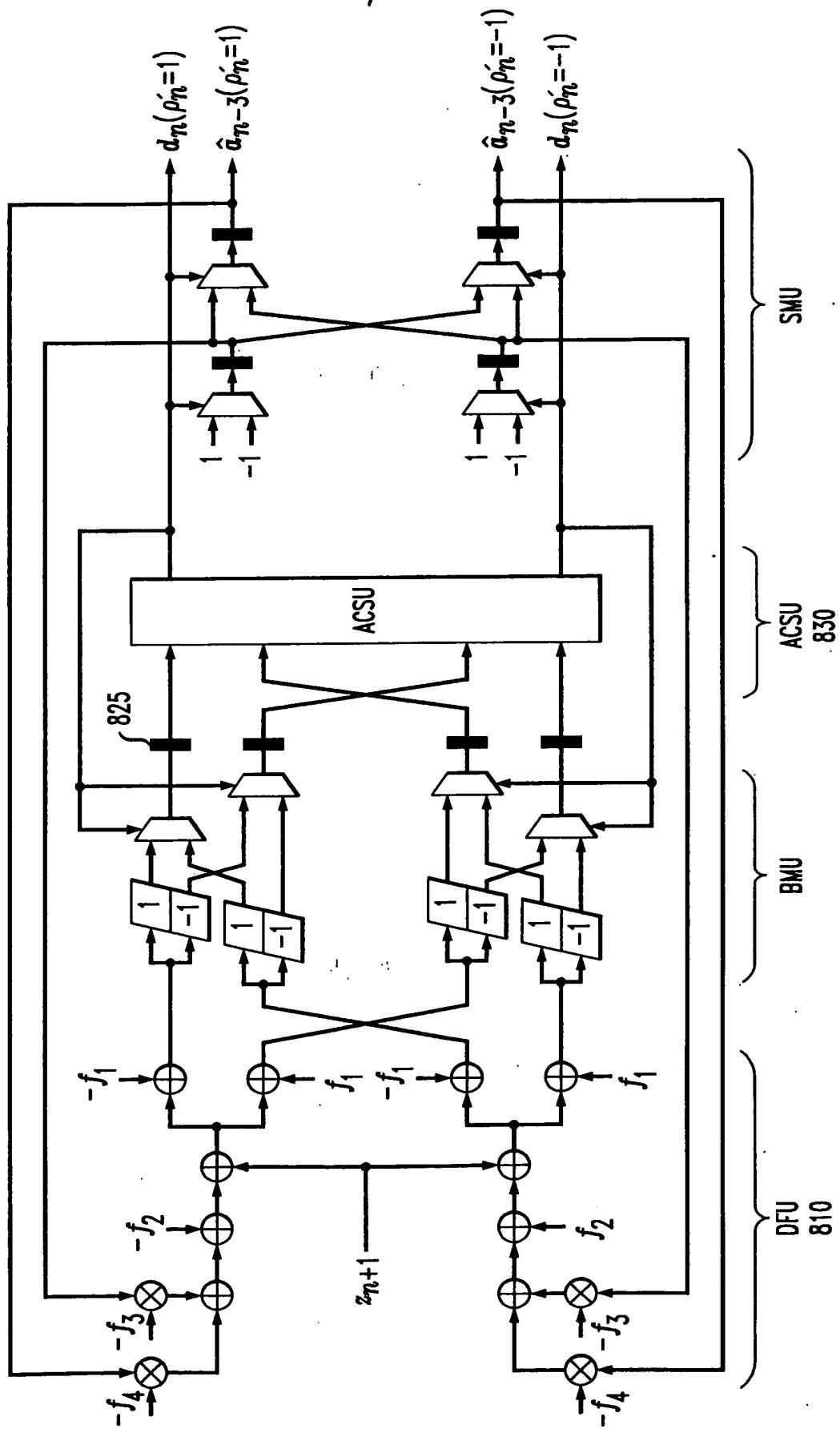
	MLSE	RSSE
COMPLEXITY		
NO. OF STATES:	$2^L$	$2^K$
NO. OF BMs	$2^{L+1}$	$2^{K+1}$
ADDS IN DFU:	—	$S \times L$
CRITICAL PATH	2 ADDs 2-to-1 MUX	$L - K + 3$ ADDs 2-to-1 MUX LUT SHIFT

## Replacement Sheet

5/15



FIG. 8

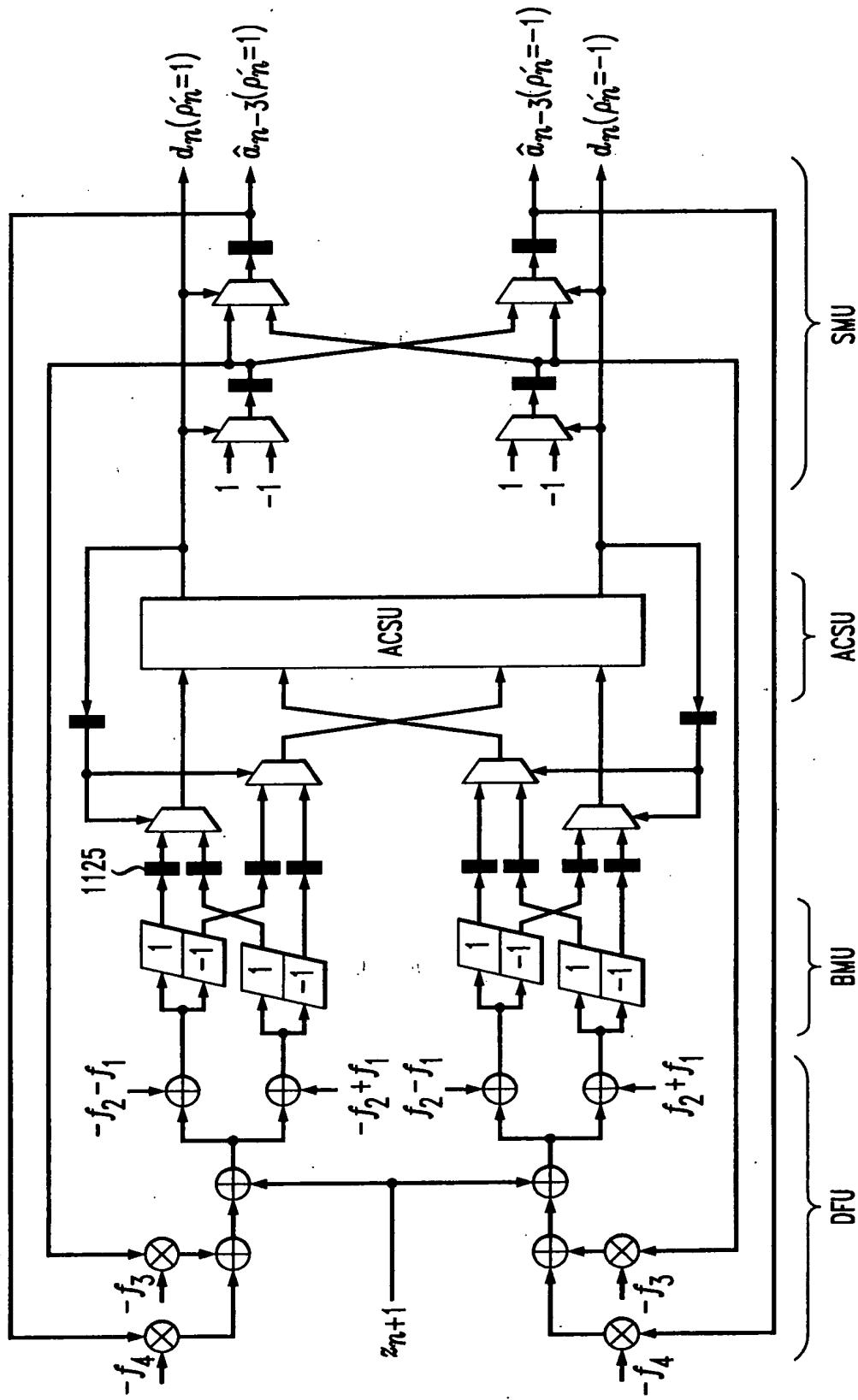


## Replacement Sheet

8/15



FIG. 11



## Replacement Sheet

9/15

